



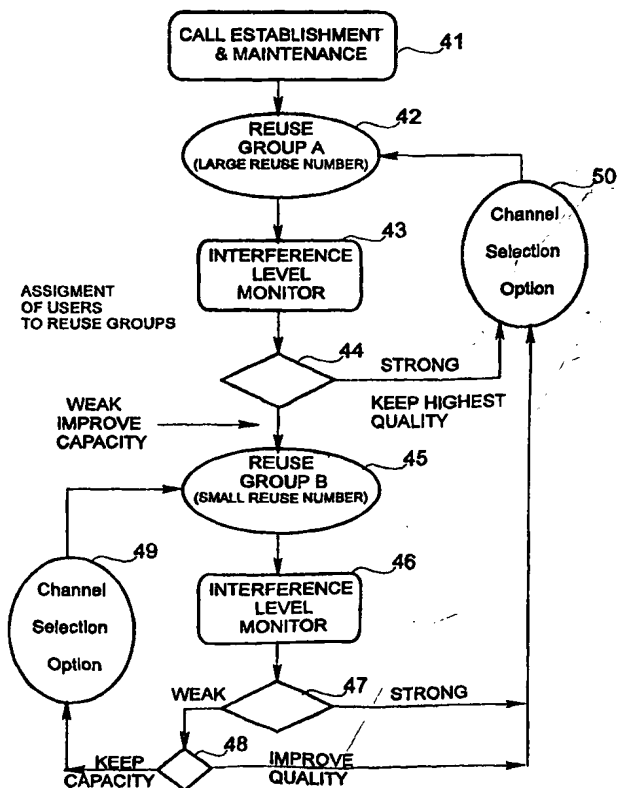
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(54) Title: ADAPTIVE CAPACITY AND QUALITY IMPROVEMENTS IN CELLULAR RADIO SERVICES BY THE REMOVAL OF STRONG INTERFERENCE SOURCES

(57) Abstract

A method for increasing capacity or capacity of a cellular radiotelephone system, in which one cell is a member of more than one reuse group (42, 45). The potential interference risk due to each calling subscriber is assessed (43, 46). The subscriber is assigned to an appropriate reuse group in which he will not be an interferer (44, 47, 48, 49, 50). The method may alternatively be used for the improvement of quality of service (44, 48, 50), i.e., providing reduced probability of interference.



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